

## SGCN and Conservation Actions Associated with Habitat Groupings

### Habitat Grouping: Vernal Pools

**Macrogroup** Lakes and Ponds

**Habitat System** Vernal Pool

**Species Associated with this Grouping** Total SGCN: 1: 3 2: 3 3: Total SGCN (primary habitat): 1: 3 2: 2 3:

Class	<i>Amphibia</i> (Amphibians)	SGCN Category
Species	<i>Ambystoma laterale</i> (Blue-spotted Salamander)	2
Species	<i>Lithobates pipiens</i> (Northern Leopard Frog)	2
Class	<i>Insecta</i> (Insects)	SGCN Category
Species	<i>Williamsonia lintneri</i> (Ringed Boghaunter)	1
Class	<i>Reptilia</i> (Reptiles)	SGCN Category
Species	<i>Clemmys guttata</i> (Spotted Turtle)	1
Species	<i>Emydoidea blandingii</i> (Blanding's Turtle)	1
Species	<i>Thamnophis sauritus</i> (Eastern Ribbon Snake)	2

### Habitat Stressors:

Habitat-specific stressors are assigned to the Habitat Macrogroup(s) listed in the Habitat Grouping above. Habitat Macrogroup reports can be found in Maine's 2015 Wildlife Action Plan: Element 2, Table 2-3. Click on the Habitat Macrogroup of interest to launch a habitat based report summarizing relevant stressors and associated SGCN.

### Conservation Actions Assigned to this Habitat Grouping:

<b>Conservation Action</b>	<b>Category:</b> Habitat Management	<b>Biological Priority:</b> critical	<b>Type:</b> on-going
Encourage conservation of high value vernal pool complexes using a variety of voluntary approaches			
<b>Stressor(s) Addressed By This Conservation Action</b>			
Logging and Wood Harvesting, Habitat Shifting or Alteration, Commercial and Industrial Areas , Housing and Urban Area Roads and Railroads, Utility and Service Lines			
<b>Conservation Action</b>	<b>Category:</b> Habitat Management	<b>Biological Priority:</b> moderate	<b>Type:</b> new
Identify ongoing opportunities/partnerships for invasive plant species management in vernal pools			
<b>Stressor(s) Addressed By This Conservation Action</b>			
Invasive Non-native-Alien Species-Diseases			
<b>Conservation Action</b>	<b>Category:</b> Habitat Management	<b>Biological Priority:</b> moderate	<b>Type:</b> on-going
Continue work with forestry community on vernal pool Habitat Management Guidelines			
<b>Stressor(s) Addressed By This Conservation Action</b>			
Logging and Wood Harvesting			
<b>Conservation Action</b>	<b>Category:</b> Policy	<b>Biological Priority:</b> high	<b>Type:</b> new
Develop vernal pool organism passage recommendations for new and existing road crossing structures			
<b>Stressor(s) Addressed By This Conservation Action</b>			
Roads and Railroads			
<b>Conservation Action</b>	<b>Category:</b> Public Outreach	<b>Biological Priority:</b> moderate	<b>Type:</b> new
Integrate the positive impacts of vernal pools (e.g., economic benefits and relation to game species) into vernal pool outreach messaging			
<b>Stressor(s) Addressed By This Conservation Action</b>			
Housing and Urban Areas, Roads and Railroads, Commercial and Industrial Areas , Utility and Service Lines			
<b>Conservation Action</b>	<b>Category:</b> Public Outreach	<b>Biological Priority:</b> moderate	<b>Type:</b> on-going
Update statewide roads and riparian connectivity layer and include models specific to SGCN			

## SGCN and Conservation Actions Associated with Habitat Groupings

### Habitat Grouping: Vernal Pools

#### Stressor(s) Addressed By This Conservation Action

Habitat Shifting or Alteration, Commercial and Industrial Areas , Housing and Urban Areas, Roads and Railroads, Utility and Service Lines

Conservation Action	Category: Public Outreach	Biological Priority: moderate	Type: on-going
Use event-specific (e.g., big night, turtle nesting) outreach to draw greater public attention to vernal pools			

#### Stressor(s) Addressed By This Conservation Action

Housing and Urban Areas, Roads and Railroads

Conservation Action	Category: Research	Biological Priority: critical	Type: new
Identify connectivity hotspots among developable high value vernal pools, pool complexes, and non-breeding habitat			

#### Stressor(s) Addressed By This Conservation Action

Commercial and Industrial Areas , Habitat Shifting or Alteration, Roads and Railroads, Logging and Wood Harvesting

Conservation Action	Category: Research	Biological Priority: high	Type: new
Research vernal pool remote sensing techniques and field verify on public lands			

#### Stressor(s) Addressed By This Conservation Action

Logging and Wood Harvesting, Habitat Shifting or Alteration, Commercial and Industrial Areas , Housing and Urban Areas, Roads and Railroads, Utility and Service Lines

Conservation Action	Category: Research	Biological Priority: high	Type: on-going
Identify and implement research opportunities exploring ecosystem requirements of specialized vernal pool taxa			

#### Stressor(s) Addressed By This Conservation Action

Droughts, Habitat Shifting or Alteration, Storms and Flooding, Temperature Extremes, Commercial and Industrial Areas, Housing and Urban Areas, Roads and Railroads, Utility and Service Lines

Conservation Action	Category: Research	Biological Priority: moderate	Type: new
Research and identify likely climate change impacts to high value vernal pools			

#### Stressor(s) Addressed By This Conservation Action

Droughts, Habitat Shifting or Alteration, Storms and Flooding, Temperature Extremes

Conservation Action	Category: Research	Biological Priority: moderate	Type: new
Identify and implement research opportunities investigating effects of invasive species on vernal pool organisms and hydrology			

#### Stressor(s) Addressed By This Conservation Action

Invasive Non-native-Alien Species-Diseases, Roads and Railroads

### Species Conservation Actions:

Conservation actions that may benefit species associated with this habitat grouping can be found in Maine's 2015 Wildlife Action Plan: Element 1, Table 1-3. Click on the species of interest to launch a species based report summarizing relevant conservation actions and associated habitats.

*The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.*